Refine Search

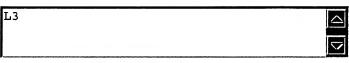
Search Results -

Terms	Documents
liposome same (attractant or pheromone)	27

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:











Search History

DATE: Wednesday, December 21, 2005 Printable Copy Create Case

Set Name Query side by side

Hit Count Set Name

ide by sid	le		result set	
DB=U	VSPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
<u>L3</u>	liposome same (attractant or pheromone)	27	<u>L3</u>	
<u>L2</u>	L1 and 424/450.ccls.	40	<u>L2</u>	
<u>L1</u>	liposome same (fungicide or pesticide or herbicide)	146	<u>L1</u>	

END OF SEARCH HISTORY

Record List Display Page 1 of 13

Hit List

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 30 of 40 returned.

☐ 1. Document ID: US 6855296 B1

Using default format because multiple data bases are involved.

L2: Entry 1 of 40

File: USPT

Feb 15, 2005

US-PAT-NO: 6855296

DOCUMENT-IDENTIFIER: US 6855296 B1

TITLE: Method and apparatus for liposome production

DATE-ISSUED: February 15, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Baker; Martin T. Petaluma CA Heriot; William A. Las Vegas NV

US-CL-CURRENT: 422/130; 264/4, 264/4.1, 422/128, 422/129, 422/135, 424/450, 436/174, 436/179, 436/180

Full Title Citation Front Review Classification Date Reference Company Company

☐ 2. Document ID: US 6855277 B2

L2: Entry 2 of 40 File: USPT Feb 15, 2005

US-PAT-NO: 6855277

DOCUMENT-IDENTIFIER: US 6855277 B2

TITLE: Method and apparatus for liposome production

DATE-ISSUED: February 15, 2005

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Baker; Martin T. Petaluma CA Heriot; William A. Las Vegas NV

US-CL-CURRENT: 264/4.3; 422/128, 424/450, 425/5, 428/402.2

Full Title Citation Front Review Classification Date Reference Classification Date Reference

Record List Display Page 2 of 13

☐ 3. Document ID: US 6713533 B1

L2: Entry 3 of 40

File: USPT

Mar 30, 2004

US-PAT-NO: 6713533

DOCUMENT-IDENTIFIER: US 6713533 B1

TITLE: Nanocapsules and method of production thereof

DATE-ISSUED: March 30, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Panzner; Steffen

Halle

DE

US-CL-CURRENT: 523/202; 424/450, 424/451, 524/205, 524/210

Full Title Citation Front Review Classification Date Reference Claims 1000C Brave Be

4. Document ID: US 6699499 B1

L2: Entry 4 of 40

File: USPT

Mar 2, 2004

US-PAT-NO: 6699499

DOCUMENT-IDENTIFIER: US 6699499 B1

** See image for Certificate of Correction **

TITLE: Amphiphilic materials and liposome formulations thereof

DATE-ISSUED: March 2, 2004

INVENTOR - INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Aneja; Rajindra

Ithaca

NY

US-CL-CURRENT: 424/450; 424/1.21, 424/417, 424/9.321, 424/9.51, 424/94.3, <u>428/402.2</u>, <u>554/103</u>, <u>554/227</u>, <u>554/79</u>, <u>554/80</u>

Full Title Citation Front Review Classification Date Reference

Claims 1000C Drawe De

☐ 5. Document ID: US 6613352 B2

L2: Entry 5 of 40

File: USPT

Sep 2, 2003

US-PAT-NO: 6613352

DOCUMENT-IDENTIFIER: US 6613352 B2

TITLE: Low-rigidity liposomal formulation

DATE-ISSUED: September 2, 2003

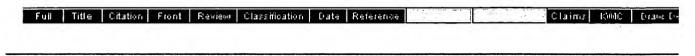
COUNTRY

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE

Lagace; Jacqueline St-Laurent CA
Beaulac; Christian Yamachiche CA
Clement-Major; Sebastien St.-Lambert CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3



☐ 6. Document ID: US 6534018 B1

L2: Entry 6 of 40 File: USPT Mar 18, 2003

US-PAT-NO: 6534018

DOCUMENT-IDENTIFIER: US 6534018 B1

TITLE: Method and apparatus for liposome production

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Baker; Martin T. Petaluma CA Heriot; William A. Las Vegas NV

US-CL-CURRENT: 422/128; 264/4.3, 424/450, 425/5, 428/402.2

Full Title Citation Front Review Classification Date Reference

☐ 7. Document ID: US 6447800 B2

L2: Entry 7 of 40 File: USPT Sep 10, 2002

US-PAT-NO: 6447800

DOCUMENT-IDENTIFIER: US 6447800 B2

TITLE: Method of loading preformed liposomes using ethanol

DATE-ISSUED: September 10, 2002

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hope; Michael J. Vancouver CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 424/1.21, 424/417, 424/9.321,

424/9.51

Record List Display Page 4 of 13

□ 8. Document ID: US 6284267 B1

L2: Entry 8 of 40

File: USPT

Sep 4, 2001

US-PAT-NO: 6284267

DOCUMENT-IDENTIFIER: US 6284267 B1

TITLE: Amphiphilic materials and liposome formulations thereof

DATE-ISSUED: September 4, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Aneja; Rajindra Ithaca NY

US-CL-CURRENT: <u>424/450</u>; <u>424/1.21</u>, <u>424/417</u>, <u>424/9.321</u>, <u>424/9.51</u>, <u>424/94.3</u>, 428/402.2, 436/829, 554/103, 554/227, 554/79, 554/80, <u>977/DIG.1</u>

Full Title Citation Front Review Classification Date Reference

☐ 9. Document ID: US 6183774 B1

L2: Entry 9 of 40

File: USPT

Feb 6, 2001

US-PAT-NO: 6183774

DOCUMENT-IDENTIFIER: US 6183774 B1

TITLE: Stabilizing vitamin A derivatives by encapsulation in lipid vesicles formed with alkylammonium fatty acid salts

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Aust; Duncan T. Ridge NY
Ross; Michael A. Jericho NY
Wilmott; James M. Shoreham NY
Hayward; James A. Stony Brook NY

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 424/401, 514/724, 514/725

Full Title Citation Front Review Classification Date Reference

☐ 10. Document ID: US 6147204 A

L2: Entry 10 of 40

File: USPT Nov 14, 2000

US-PAT-NO: 6147204

DOCUMENT-IDENTIFIER: US 6147204 A

Record List Display Page 5 of 13

TITLE: Nucleic acid ligand complexes

DATE-ISSUED: November 14, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gold; Larry Boulder CO Schmidt; Paul G Niwot CO Janjic; Nebojsa Boulder CO

US-CL-CURRENT: 536/24.5; 424/450, 435/6, 435/91.2, 436/6, 536/25.4

Full Title Citation Front Review Classification Date Reference Communication Draw De

☐ 11. Document ID: US 6132766 A

L2: Entry 11 of 40 File: USPT Oct

Oct 17, 2000

US-PAT-NO: 6132766

DOCUMENT-IDENTIFIER: US 6132766 A

** See image for Certificate of Correction **

TITLE: Multivesicular liposomes with controlled release of encapsulated

biologically active substances

DATE-ISSUED: October 17, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Sankaram; Mantripragada Bhima San Diego CA Kim; Sinil Solana Beach CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 424/417, 424/DIG.8

Full Title Citation Front Review Classification Date Reference Company Company

☐ 12. Document ID: US 6106858 A

L2: Entry 12 of 40 File: USPT Aug 22, 2000

US-PAT-NO: 6106858

DOCUMENT-IDENTIFIER: US 6106858 A

** See image for <u>Certificate of Correction</u> **

TITLE: Modulation of drug loading in multivescular liposomes

DATE-ISSUED: August 22, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Record List Display Page 6 of 13

Ye; Qiang

San Diego

CA

Katre; Nandini

Solana Beach

CA

Sankaram; Mantripragada

San Diego

CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3

Full Title Citation Front Review Classification Date Reference State State Claims NMC Draw De

☐ 13. Document ID: US 6071535 A

L2: Entry 13 of 40

File: USPT

Jun 6, 2000

US-PAT-NO: 6071535

DOCUMENT-IDENTIFIER: US 6071535 A

TITLE: Lipid vesicles formed with alkylammonium fatty acid salts.

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME CITY

STATE ZIP CODE COUNTRY

Hayward; James A. Watkins; David C.

Port Jefferson

Stony Brook

NY NY

Aust; Duncan T.

Ridge NY

US-CL-CURRENT: <u>424/450</u>; <u>264/4.1</u>, <u>264/4.3</u>, <u>424/401</u>, <u>424/417</u>, <u>424/70.1</u>, <u>424/94.3</u>, 514/880, 514/881

Full Title Citation Front Review Classification Date Reference

☐ 14. Document ID: US 6071534 A

L2: Entry 14 of 40

File: USPT

Jun 6, 2000

US-PAT-NO: 6071534

DOCUMENT-IDENTIFIER: US 6071534 A

TITLE: Multivesicular liposomes with controlled release of active agents

encapsulated in the presence of a hydrochloride

DATE-ISSUED: June 6, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Kim; Sinil Solana Beach CA Howell; Stephen B. Del Mar CA

US-CL-CURRENT: $\underline{424}/\underline{450}$; $\underline{264}/\underline{4.1}$, $\underline{264}/\underline{4.3}$, $\underline{264}/\underline{4.6}$, $\underline{436}/\underline{829}$

Record List Display Page 7 of 13

Full Title Citation Front Review Classification Date Reference

Claims KillC Draw D.

☐ 15. Document ID: US 6011020 A

L2: Entry 15 of 40

File: USPT

Jan 4, 2000

US-PAT-NO: 6011020

DOCUMENT-IDENTIFIER: US 6011020 A

TITLE: Nucleic acid ligand complexes

DATE-ISSUED: January 4, 2000

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gold; Larry Boulder CO Schmidt; Paul G. San Marino CA Janjic; Nebojsa Boulder CO

US-CL-CURRENT: 514/44; 424/1.21, 424/1.73, 424/450, 435/6, 536/22.1, 536/23.1, 536/24.3, 536/24.31

Full Title Citation Front Review Classification Date Reference

☐ 16. Document ID: US 5993850 A

L2: Entry 16 of 40 File: USPT Nov 30, 1999

US-PAT-NO: 5993850

DOCUMENT-IDENTIFIER: US 5993850 A

** See image for Certificate of Correction **

TITLE: Preparation of multivesicular liposomes for controlled release of encapsulated biologically active substances

DATE-ISSUED: November 30, 1999

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Sankaram; Mantripragada B. San Diego CA Kim; Sinil Solana Beach CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 424/417, 436/829

Full Title Citation Front Review Classification Date Reference Company Company Claims Review Draws De

☐ 17. Document ID: US 5958463 A

L2: Entry 17 of 40 File: USPT Sep 28, 1999

Record List Display Page 8 of 13

US-PAT-NO: 5958463

DOCUMENT-IDENTIFIER: US 5958463 A

TITLE: Agricultural pesticide formulations

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

CITY STATE ZIP CODE COUNTRY NAME

Milne; Christopher G. Greenback TN Shelby, Jr.; Paulus P. Knoxville TN

Full Title Citation Front Review Classification Date Reference

US-CL-CURRENT: 424/660; 424/195.17, 424/405, 424/450, 424/600, 424/613, 424/615, <u>424/617, 424/657, 424/658, 424/659, 424/750, 424/757, 424/764, 504/116.1, 504/122, </u> <u>504/187, 504/193, 504/362, 514/64, 514/77, 514/78, 514/937</u>, <u>514/964, 514/972,</u> <u>514/975</u>

☐ 18. Document ID: US 5723147 A

L2: Entry 18 of 40

File: USPT Mar 3, 1998

US-PAT-NO: 5723147

DOCUMENT-IDENTIFIER: US 5723147 A

** See image for Certificate of Correction **

TITLE: Multivesicular liposomes having a biologically active substance encapsulated therein in the presence of a hydrochloride

DATE-ISSUED: March 3, 1998

INVENTOR-INFORMATION:

NAME CITY ZIP CODE COUNTRY STATE

Kim; Sinil Solana Beach CA Howell; Stephen B. Del Mar CA

US-CL-CURRENT: 424/450

Full Title Citation Front Review Classification Date Reference Claims RMC Drane De

☐ 19. Document ID: US 5665380 A

L2: Entry 19 of 40

File: USPT

Sep 9, 1997

3

Claims RMC Draw De

US-PAT-NO: 5665380

DOCUMENT-IDENTIFIER: US 5665380 A

TITLE: Lipid vesicle fusion as a method of transmitting a biologically active

material to a cell

Record List Display Page 9 of 13

NH

DATE-ISSUED: September 9, 1997

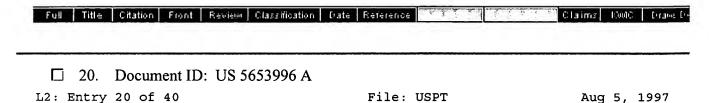
INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wallach; Donald F. H. Hollis

Varanelli; Carole Chester NH

US-CL-CURRENT: 424/450; 428/402.2, 514/44, 514/8



US-PAT-NO: 5653996

DOCUMENT-IDENTIFIER: US 5653996 A

TITLE: Method for preparing liposomes

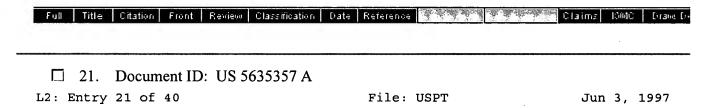
DATE-ISSUED: August 5, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Hsu; Chung C. Los Altos Hills CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3



US-PAT-NO: 5635357

DOCUMENT-IDENTIFIER: US 5635357 A

TITLE: Stabilized microspheres and methods of preparation

DATE-ISSUED: June 3, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Malick; Adrien Granite MD Feindt; Hans H. Parkton MD

US-CL-CURRENT: 435/7.1; 424/420, 424/450, 427/8, 436/528, 436/531, 436/532

☐ 22. Document ID: US 5628936 A

L2: Entry 22 of 40

File: USPT

May 13, 1997

US-PAT-NO: 5628936

DOCUMENT-IDENTIFIER: US 5628936 A

TITLE: Hybrid paucilamellar lipid vesicles

DATE-ISSUED: May 13, 1997

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Wallach; Donald F. H.

Brookline

MA

US-CL-CURRENT: 264/4.1; 424/450, 428/402.2, 436/829

Full Title Citation Front Review Classification Date Reference 🔍 🛣 🔊 🗞 🛶 🗸 👉 🦠 Claims KMC Graws Ge

☐ 23. Document ID: US 5567434 A

L2: Entry 23 of 40

File: USPT

Oct 22, 1996

US-PAT-NO: 5567434

DOCUMENT-IDENTIFIER: US 5567434 A

TITLE: Preparation of liposome and lipid complex compositions

DATE-ISSUED: October 22, 1996

INVENTOR - INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Szoka, Jr.; Francis C.

San Francisco

CA

US-CL-CURRENT: $\underline{424}/\underline{450}$; $\underline{264}/\underline{4.1}$, $\underline{264}/\underline{4.3}$, $\underline{264}/\underline{4.6}$, $\underline{264}/\underline{4.7}$, $\underline{424}/\underline{1.21}$, $\underline{436}/\underline{829}$

Full Title Citation Front Review Classification Date Reference (2004) 2 g (2004) Claims KMC Draw D-

☐ 24. Document ID: US 5549910 A

L2: Entry 24 of 40

File: USPT

Aug 27, 1996

US-PAT-NO: 5549910

DOCUMENT-IDENTIFIER: US 5549910 A

TITLE: Preparation of liposome and lipid complex compositions

DATE-ISSUED: August 27, 1996

INVENTOR-INFORMATION:

Record List Display Page 11 of 13

NAME CITY STATE ZIP CODE COUNTRY

Szoka, Jr.; Francis C. San Francisco CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 264/4.7, 424/1.21, 424/9.321, 424/9.4, 436/829

Full Title Citation Front Review Classification Date Reference - Claims Chaires Claims RMC Draw De

☐ 25. Document ID: US 5510112 A

L2: Entry 25 of 40 File: USPT Apr 23, 1996

US-PAT-NO: 5510112

DOCUMENT-IDENTIFIER: US 5510112 A

TITLE: Composition for enhancing the biodegradation of biodegradable organic wastes

DATE-ISSUED: April 23, 1996

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Gatt; Shimon Jerusalem IL
Barenholz; Yechezkel Jerusalem IL
Bercovier; Herve Jerusalem IL

US-CL-CURRENT: 424/450; 210/610, 435/170, 435/264

Full Title Citation Front Review Classification Date Reference

☐ 26. Document ID: US 5474848 A

L2: Entry 26 of 40 File: USPT Dec 12, 1995

US-PAT-NO: 5474848

DOCUMENT-IDENTIFIER: US 5474848 A

TITLE: Paucilamellar lipid vesicles

DATE-ISSUED: December 12, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Wallach; Donald F. H. Brookline MA

US-CL-CURRENT: 428/402.2; 106/493, 424/420, 424/450, 436/829, 514/6, 514/963

Full Title Citation Front Review Classification Date Reference Claims 1990 Draw De

Record List Display Page 12 of 13

☐ 27. Document ID: US 5422120 A

L2: Entry 27 of 40 File: USPT Jun 6, 1995

US-PAT-NO: 5422120

DOCUMENT-IDENTIFIER: US 5422120 A

TITLE: Heterovesicular liposomes

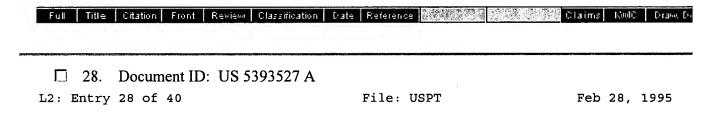
DATE-ISSUED: June 6, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Kim; Sinil Solana Beach CA

US-CL-CURRENT: 424/450; 264/4.1, 264/4.3, 264/4.6, 436/829



US-PAT-NO: 5393527

DOCUMENT-IDENTIFIER: US 5393527 A

TITLE: Stabilized microspheres and methods of preparation

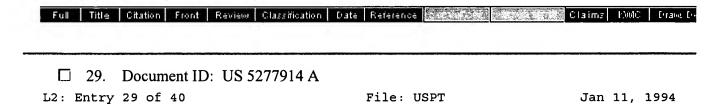
DATE-ISSUED: February 28, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Malick; Adrien Granite MD Feindt; Hans H. Parkton MD

US-CL-CURRENT: 435/7.1; 424/420, 424/450, 427/8, 436/528, 436/532



US-PAT-NO: 5277914

DOCUMENT-IDENTIFIER: US 5277914 A

TITLE: Preparation of liposome and lipid complex compositions

DATE-ISSUED: January 11, 1994

INVENTOR-INFORMATION:

Record List Display Page 13 of 13

NAME

CITY

STATE ZIP CODE

COUNTRY

Szoka, Jr.; Francis C.

San Francisco

CA

US-CL-CURRENT: $\underline{424}/\underline{450}$; $\underline{264}/\underline{4.1}$, $\underline{264}/\underline{4.3}$, $\underline{264}/\underline{4.7}$, $\underline{424}/\underline{484}$, $\underline{436}/\underline{829}$

Full Title Citation Front Review Classification Date Reference Claims How Description Date Reference

☐ 30. Document ID: US 5234767 A

L2: Entry 30 of 40

File: USPT

Aug 10, 1993

US-PAT-NO: 5234767

DOCUMENT-IDENTIFIER: US 5234767 A

TITLE: Hybrid paucilamellar lipid vesicles

DATE-ISSUED: August 10, 1993

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

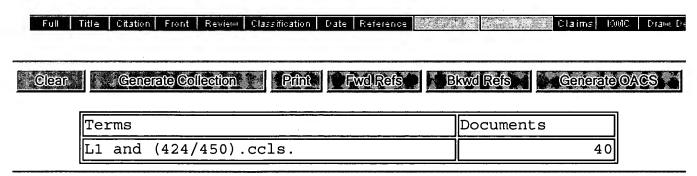
COUNTRY

Wallach; Donald F. H.

Brookline

MA

US-CL-CURRENT: 428/402.2; 264/4.1, 424/450, 436/829, 514/818



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Previous Page Next Page Go to Doc#

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L2: Entry 30 of 40

File: USPT

Aug 10, 1993

DOCUMENT-IDENTIFIER: US 5234767 A

TITLE: Hybrid paucilamellar lipid vesicles

Detailed Description Text (8):

Hydrophilic materials which can be encapsulated include minerals such as titanium dioxide and silicas, viruses, macromolecules, immunological adjuvants such as muramyl dipeptide, peptide hormones such as insulin, calcitonin and glucagon, hypothalmic peptides, pituitary hormones, growth factors such as angiogenic, epithelial and epidermal growth factors, lymphokines such as interleukin-2 and interferon, blood proteins such as hemoglobin and Factor VIII, water-soluble plant hormones and pesticides, radionucleotides, contrast materials for radiological and NMR diagnosis, cancer cytostatics, and antibiotics. Examples of lipophilic materials which can be encapsulated include steroid hormones, pheromones, porphyrins, organic pesticides, fungicides, insect repellents, lipophilic vitamins and derivatives, alkyds, epoxy polyurethanes, fluorocarbons, and related resins. Oil based materials include an exclusive listing of additional lipophilic materials and materials which form colloids or suspensions in oil. A more complete listing of the types of pharmaceuticals that could be encapsulated in lipid vesicles is included in Gregoriadis, G., ed. Liposome Technology (CRC, Boca Raton, Fla.), Vols. 1-3 (1984).

Current US Cross Reference Classification (2): 424/450

> Previous Doc Next Doc Go to Doc#

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Cenerate Collection Print

L2: Entry 32 of 40

File: USPT

Apr 14, 1992

DOCUMENT-IDENTIFIER: US 5104661 A TITLE: Reverse loading of liposomes

<u>Detailed Description Text</u> (6):

Thus, it is now recognized according to this invention, that a compartmentalized core volume, such as encountered in vesicles or liposomes, is not necessarily a prerequisite for effective drug delivery. Instead, these new forms of dispersed phase drug delivery platforms rely on the phenomena of adsorption, partitioning, or on specific means of covalent or non-covalent attachment of molecules to achieve the desired objective. It is stressed that target molecules, RES avoidance molecules or biological actives such as drugs, diagnostics, hormones, vitamins, pesticides, plant nutrients or growth factors, enzyme inhibitors or activators, DNA and RNA gene fragments, therapeutics in general, anticancer agents, bone active agents, sunscreen, insect repellants and perfumes, and the like, are examples which we now associate effectively with targeted lipids.

<u>Current US Original Classification</u> (1): 424/450

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Cenerate Collection Print

L2: Entry 33 of 40

File: USPT

Dec 31, 1991

DOCUMENT-IDENTIFIER: US 5077057 A

TITLE: Preparation of liposome and lipid complex compositions

Brief Summary Text (8):

Liposomes have been used to encapsulate a large variety of compounds which exhibit poor aqueous solubility, or which exhibit unacceptable toxicity at therapeutic dosages. For example, amphotericin B is an anti-fungal antibiotic which is poorly soluble in water, alcohols, chloroform, and other common halocarbon solvents. While amphotericin B is an effective <u>fungicide</u>, it is also dangerously toxic at concentrations slightly above the therapeutic concentration. Encapsulation in <a href="https://liposomes.org/liposom

<u>Current US Cross Reference Classification</u> (4): 424/450

Previous Doc Next Doc Go to Doc#

Record Display Form Page 1 of 1

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Next Doc

Go to Doc#

End of Result Set

Cenerate Collection Print

L2: Entry 40 of 40

File: USPT

Nov 25, 1980

DOCUMENT-IDENTIFIER: US 4235871 A

TITLE: Method of encapsulating biologically active materials in lipid vesicles

Brief Summary Text (13):

By the method of our invention, oligolamellar lipid vesicles (synthetic liposomes) may be constructed rapidly, conveniently, under mild conditions, in high yields, and in such a manner that they incorporate a high percentage of a wide variety of biologically active material processed with them. Representative of material which may be encapsulated by the method of the invention are pharmaceutically active compounds and compositions thereof, carbohydrates, nucleotides, polynucleotides (both naturally occurring and synthetic) pesticides, including fungicides, insecticides, miticides, nematocides and mollusicides, water soluble fertilizers and agricultural nutrients, peptides, proteins, enzymes, viruses and the like. Many of these materials do not normally penetrate the plasma membrane of cells and may be inactivated in circulation within a living organism or by contact with tissue and organ cultures. In the case of pesticides and agricultural nutrients or fertilizers they may be removed from the area of application by rain or irrigation. Encapsulation of such materials protects them from inactivation or removal, i.e.; maintains bioavailability. Bacterial cells such as C. parvum and E. coli and the like may also be encapsulated by the method of the invention for protection and bioavailability.

<u>Current US Original Classification</u> (1): 424/450

Previous Doc Next Doc Go to Doc#

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Cenerate Collection Print

L3: Entry 22 of 27

File: USPT

May 19, 1987

DOCUMENT-IDENTIFIER: US 4666747 A

** See image for Certificate of Correction **

TITLE: Spray method and formulation for use therein

Detailed Description Text (13):

The wettable powders may contain additional components to those already mentioned herein. Examples of substances which may be employed in this way are free radical quenchers such as butylated hydroxy toluene and tocopherol and pheromones or other bait attractants. Again these substances are preferentially taken up in the hydrophobic domain formed by a phospholipid whether or not it contains additional non-polar material. Bait attractants have hitherto been proposed for use with viral pest control agents such as Heliothis virescens used in the conventional method hitherto employed. Here, the bait normally consists of a commercial cotton seed adjuvant (the product CoAX, produced by Traders Oil Mill Co., Forth Worth, Tex.) and the application is by aqueous solvents, there having been proposed for this purpose an application rate of 140 liters water/hectare and a pressure of 276 KPa achieved with CO.sub.2 gas pressure (see J. Econ. Entomol, 76, 446-448, 1983). An advantage of the use of pheromone traps in liposome formulations embodying this invention is that the sex attractant will be released at a much more controllable rate from phospholipid bilayers, especially compared with the release rates from capillary tubes or Pheracon rubber septa impregnated with the pheromone as had been the case with all pheromone baited traps currently marketed.

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